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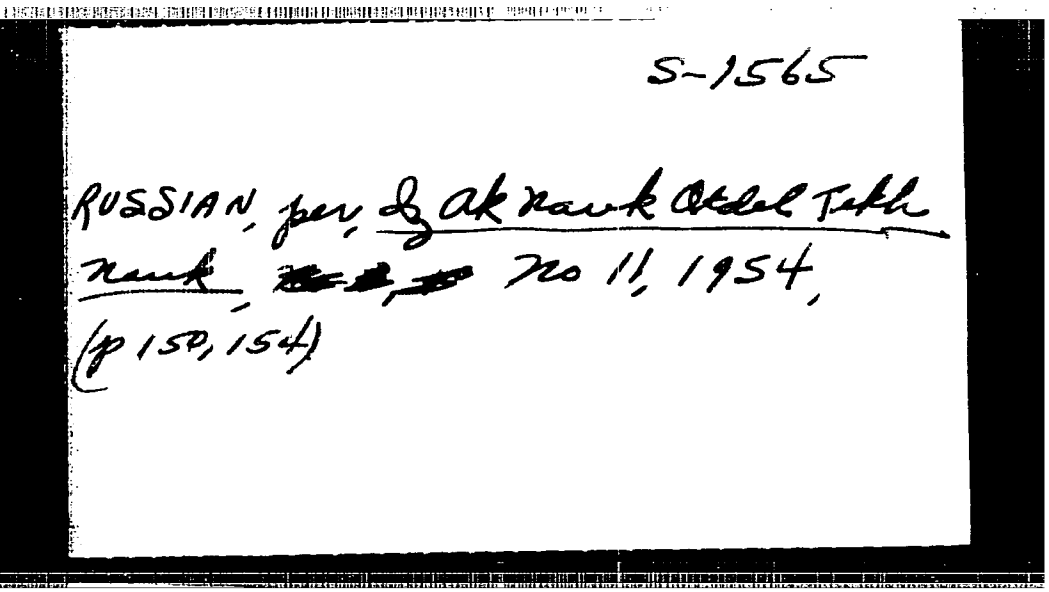

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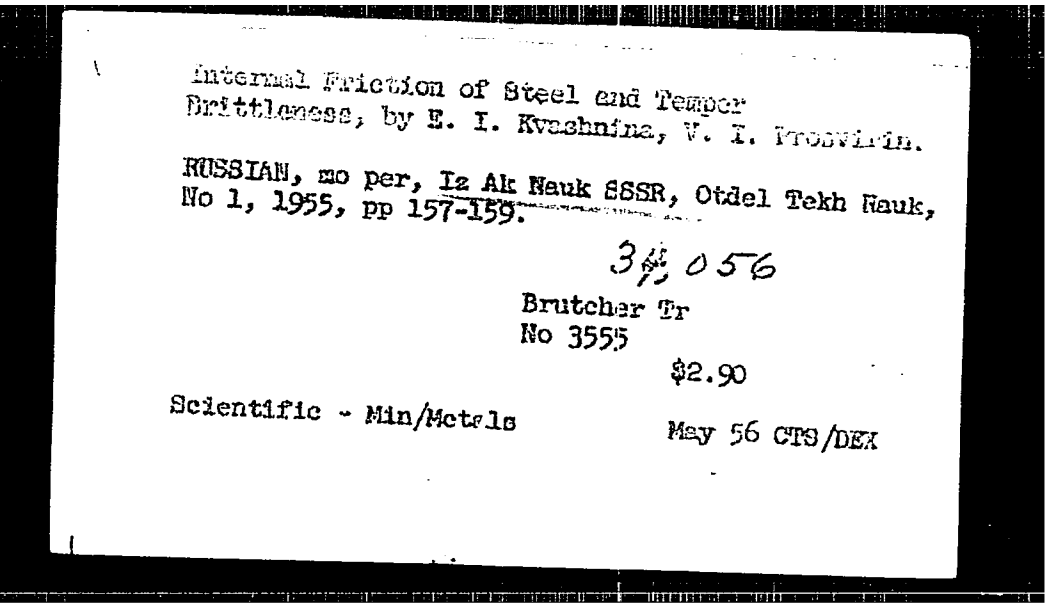

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3. Chemical equilibrium
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II. Polyakov, A. Yu.
III. Samarin, A. M.
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(FDD 28491)

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Sci - Minerals/Metals
Oct 56

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(30s.)

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May 60

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Study of the Limited Solid Solutions of Nickel by the X-Ray Method, by I. I, Kornilov, A. Ya. Snetkov, 12 pp.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820059-1

Agency: [illegible] R-14215-0

Report: 72-T-19 21 Dec. 71

Title: Deformatsiia [illegible] prirodnykh dispersnykh gruntov pri ottaivanii (Deformation of natural soil water dispersion [illegible] Thawing)

Authors: [illegible]

Source: Izvestiia Akad. Nauk [illegible], Otdelenie Tekhnicheskikh Nauk, 1965, no. 7:132-136.

Language: Russian

Translate all footnotes & headings

Specialty: Please translate [illegible] type 1 copy, no paste

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Vortex Apparatuses, by M. Gh. Dubinskiy, 7 pp.
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Heat Exchange in the Vicinity of the Forward Stagnation Point in an Axially Symmetrical and Two-Dimensional Gas Flow, by L. E. Kalikhman. UHCL

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TIL T 4927

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Turbulent Boundary Layers on a Rough Curvilinear Surface, by V. F. Droblenkov.

RUSSIAN, per, Izvestiya Ak Nauk, Otdel Tekh Nauk, Nol VIII, 1955, pp 17-21.

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Krasheninnikova, N. L.
ON THE UNSTEADY MOTION OF GAS DISPLACED BY A PISTON. [1963] 20p (figs. formulae omitted) 4refs
Order from OTS or SLA $1.60 63-20282

Trans. of [Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk], Izvestiya, 1955, no. 8, p. 22-36.

DESCRIPTORS: *Gas flow, *Pistons, *Detonations, Shock waves, Equations of motion, Velocity, Reynolds number, Pressure, Mathematical analysis.

The present paper attempts the solution of the problem involved in a strong detonation, taking into account the explusion of air by the products of the detonation. The basic assumption consists in the following: the motion of the gaseous masses is given shape by the expansion of the sphere (a spherical piston), the radius of which grows in accordance with the law $Ct^{n \text{ plus } 1/(n \text{ plus } 1)}$, where C and n are constants. (Author)

63-20282

I. Krasheninnikova, N. L.

(Mechanics, TT, v. 10, no. 11)
Office of Technical Services

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Co-Op Tr Sch No 197
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Behavior of Pyrites and Organic Sulphur During Carbonization of Coal and Coal Mixtures, by K. P. Medvedev, V. M. Petrapolskaya, 11 pp.

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Increasing the Recovery of Crude Oil From Partially Depleted Strata by Injection of Gases at High Pressures, by S. L. Zaks.

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Research on Heat-Exchange in Course of Contact Between Parts, by S. P. Dyban.

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Problems of the Dynamic Stability of Rotors of Turbogenerators, by R. D. Vagapov, et al. UNCL

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NLL M. 6012

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Theory of Operating Reliability of Systems Containing a Large Number of Elements, by S. R. Betyashibi, 14 pp.

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Investigation of the Microhardness of a Solid Solution as a Function of the Composition, by V. M. Glazov.

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(FDD 27823)

Dynamic Stability of Conic Shell Supported Along One Edge and Loaded With Axially Symmetrical Pressure, by N. A. Alfutov, V. F. Razumeyev, 10 pp.

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Mechanism of Reduction of Magnesium Oxide by Carbon, by B. S. Gulyanitskii, D. M. Chizhikov.
RUSSIAN, per, Iz AK Nauk SSSR Otdelenie Tekhnicheskikh Nauk, No 11, 1955, pp 13-24.
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Local Development of Plastic Deformation in Low Carbon Steels, by V. I. Trofimov. UNCLASSIFIED

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 11, 1955, pp 58-61.

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Flow Rotating Streams of Gas in Annular Channels, by M. G. Dubinskiy.

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£1.12s.

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A Method for Calculating Excess Oxygen When Fuel is Burnt in Atmospheres of Oxygen-Nitrogen Mixtures, by M. B. Ravich.
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CECB 4213

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Effect of Columbium and Titanium on Properties of Stainless Steels, by A. M. Samarin, A. A. Yaskevich

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Brutcher Tr 3772
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Solid Lubricants for Components Working Under Conditions of Dry Friction, by P. E. D'yachenko, O. E. Kestner, L. A. Chatuinyan, 4 pp.

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Application of the Microhardness Method to the Examination of Phase Diagrams, by V. M. Glazov,

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United Kingdom Scientific Mission

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Application de la Methode de Microdurete a L'Etude du Diagramme D'eta. (Application of the Microhardness Method to the Study of the Phase Diagram), by V. M. Glazov, G. A. Korol'kov, Yu. D. Chistyakov (Y. D. Tchistiakov), 13 pp.

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Reverse Translation
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820059-1

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Magneto-Optic Phenomena in a Rectnagular Waveguide Containing a Ferrite Plate, by A. Kx L. Mikaelian.

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*Morris D. Friedman
(will appear later as SLA)

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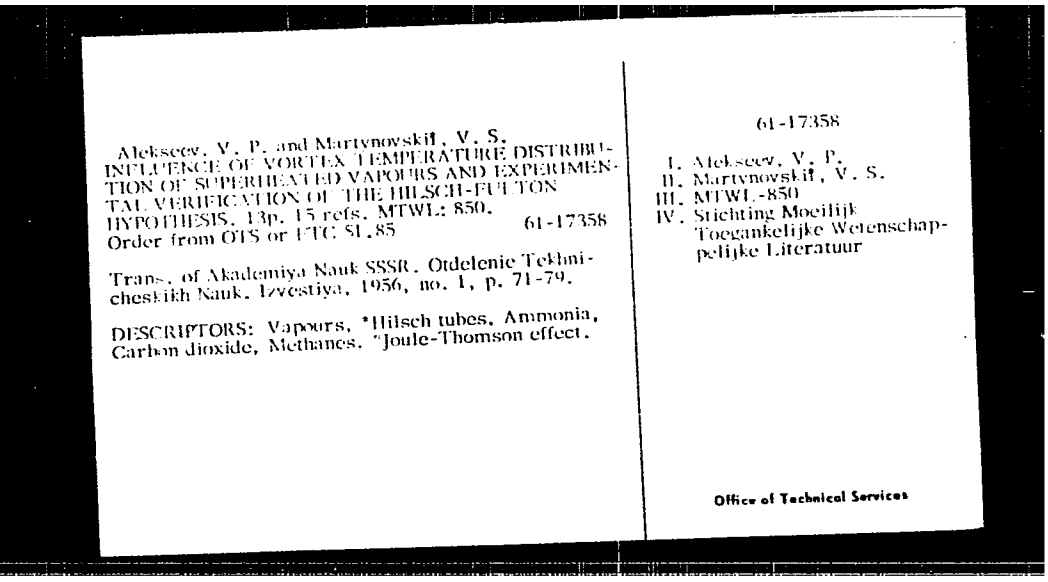

Alekseev, V. P. and Martynovskiĭ, V. S.
INFLUENCE OF VORTEX TEMPERATURE DISTRIBUTION OF SUPERHEATED VAPOURS AND EXPERIMENTAL VERIFICATION OF THE HILSCH-FULTON HYPOTHESIS. 13p. 15 refs. MTWL: 850.
Order from OTS or PTC $1.85 61-17358

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1956, no. 1, p. 71-79.

DESCRIPTORS: Vapours, *Hilsch tubes, Ammonia, Carbon dioxide, Methanes, *Joule-Thomson effect.

61-17358

I. Alekseev, V. P.
II. Martynovskiĭ, V. S.
III. MTWL-850
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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Investigation of Certain Processes Taking Place on the Surface of a Metal at High Temperature. I. Natural Roughness of the Surface of a Polycrystal, by Ya. E. Geguzin, N. N. Ovcharenko. UNCL

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CSIRO 3880

AEI T/1426

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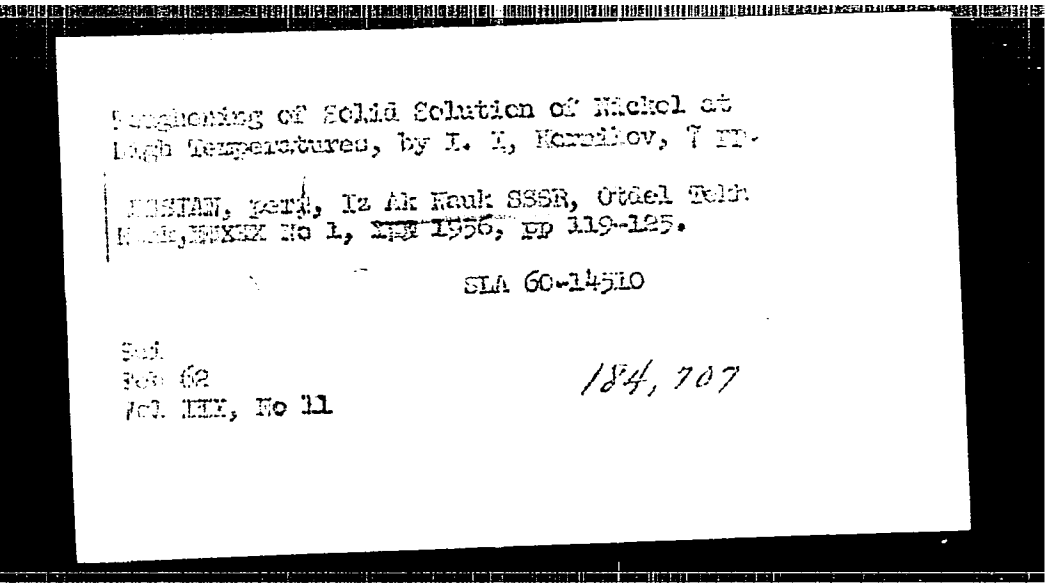

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SIA 60-14510

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Plastic Deformation of Metals Which Harden, by V. A. Sveshnikova, 11 pp.

RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, No 1, 1956, pp 155-161.

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The Surface Tension of Aluminum and Its Alloys, by A. M. Korol'kov.

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